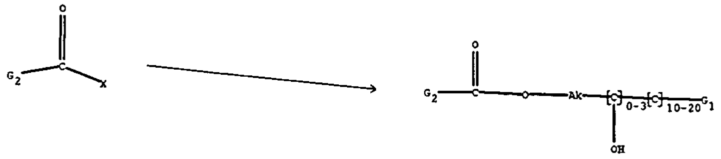
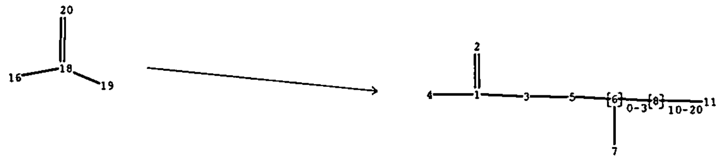
	Type	L #	Hits	Search Text	DBs
1	BRS	L1	9735	KLEIMAN.in. or "KORITALA.in" or HILL.in. " "	US-PGPUB; USPAT
2	BRS	L2	13	l1 and "fatty alcohol".clm.	US-PGPUB; USPAT

	Time Stamp	Comments	Error Definition	Errors
1	2005/05/20 13:22			
2	2005/05/20 13:23			

C:\Program Files\Stnexp\Queries\1068378

L2





chain nodes :
1 2 3 4 5 6 7 8 11 16 18 19 20
chain bonds :
1-2 1-3 1-4 3-5 5-6 6-7 6-8 8-11 16-18 18-19 18-20
exact/norm bonds :
1-2 1-3 1-4 3-5 5-6 6-7 8-11 16-18 18-20
exact bonds :
6-8 18-19

G1:CH3,CH2

G2:CH3,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

Match level :
1:CLASS2:CLASS3:CLASS4:CLASS5:CLASS6:CLASS7:CLASS8:CLASS
11:CLASS16:CLASS18:CLASS19:CLASS20:CLASS
fragments assigned product role:
containing 1
fragments assigned reactant/reagent role:
containing 16

```
=> d his

     (FILE 'HOME' ENTERED AT 10:47:37 ON 20 MAY 2005)

     FILE 'CASREACT' ENTERED AT 10:47:53 ON 20 MAY 2005
L1                STRUCTURE UPLOADED
L2              7 S L1 SSS
L3             98 S L1 SSS FULL
L4              1 S L3 AND SPREAD?

=> d l1
L1 HAS NO ANSWERS
L1                STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> d l3 1-50

L3   ANSWER 1 OF 98  CASREACT  COPYRIGHT 2005 ACS on STN

RX(7) OF 44
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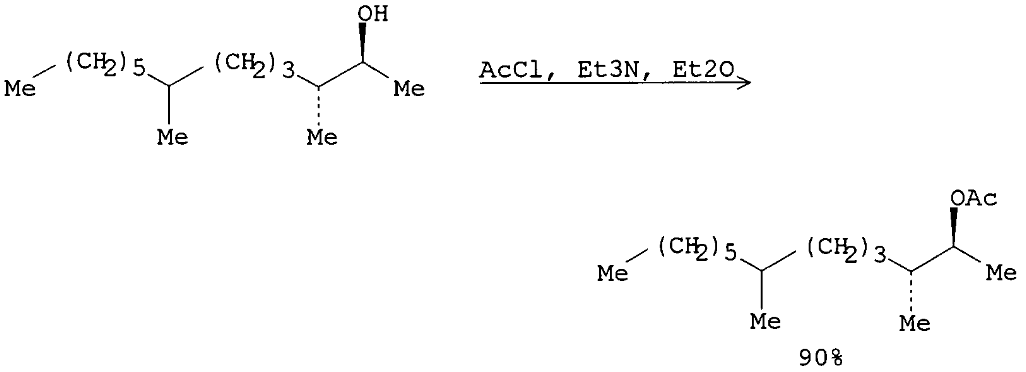

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REF:  Tetrahedron Letters, 45(27), 5253-5255;  2004


L3   ANSWER 2 OF 98  CASREACT  COPYRIGHT 2005 ACS on STN

RX(1) OF 50
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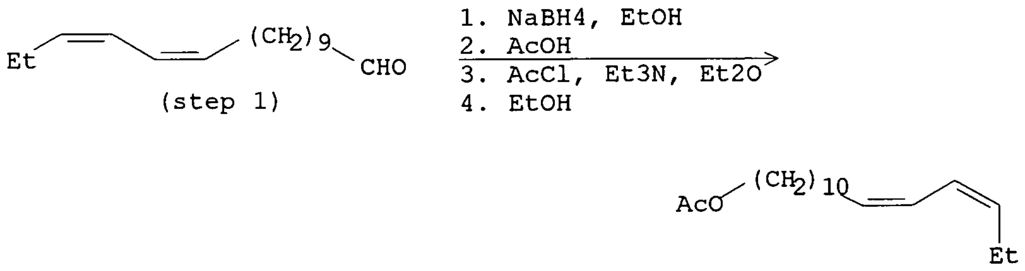

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REF:  Chemoecology, 14(2), 95-100;  2004


L3   ANSWER 3 OF 98  CASREACT  COPYRIGHT 2005 ACS on STN

RX(40) OF 582 - REACTION DIAGRAM NOT AVAILABLE
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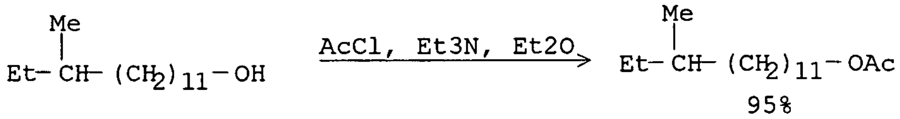
L3 ANSWER 4 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(11) OF 52



$$\text{Et-}\overset{\text{Me}}{\overset{|}{\text{CH}}}\text{-}(\text{CH}_2)_{11}\text{-OH} \xrightarrow{\text{AcCl, Et3N, Et2O}} \text{Et-}\overset{\text{Me}}{\overset{|}{\text{CH}}}\text{-}(\text{CH}_2)_{11}\text{-OAc}$$

95%

REF: Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii), 39(4), 478-485; 2003

L3 ANSWER 5 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(10) OF 26

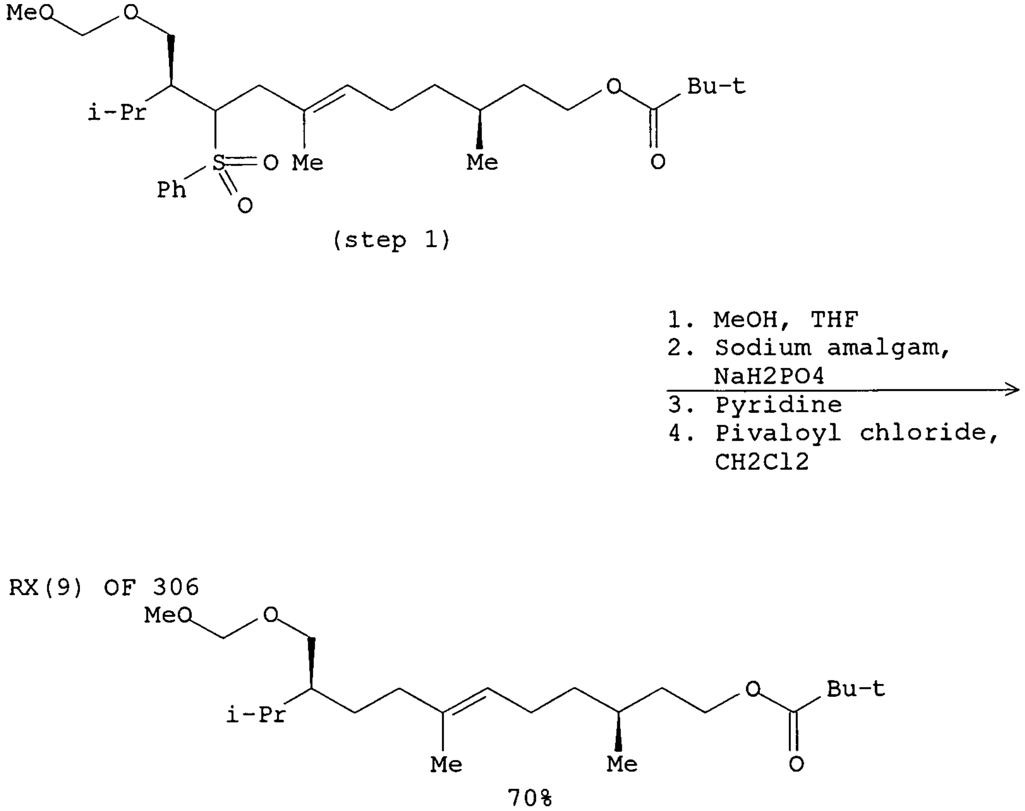
$$\text{Me}_3\text{Si-O-}(\text{CH}_2)_{11}\text{-Me} \xrightarrow[\text{CHCl3}]{\text{AcCl, Montmorillonite,}} \text{AcO-}(\text{CH}_2)_{11}\text{-Me}$$

84%

REF: Synthetic Communications, 33(22), 3907-3912; 2003

L3 ANSWER 6 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

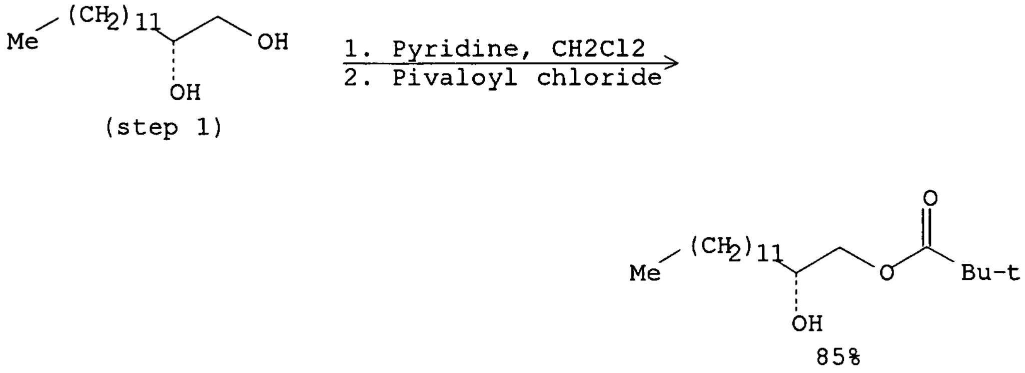
RX(9) OF 306



REF: Journal of Organic Chemistry, 68(26), 9983-9987; 2003

L3 ANSWER 7 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

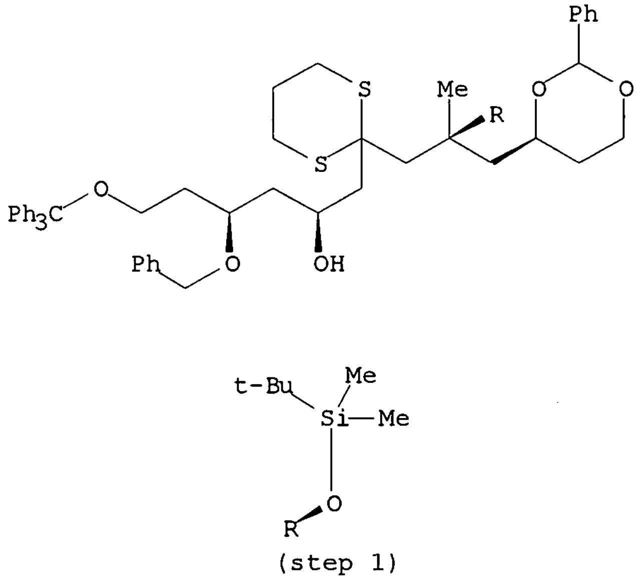
RX(7) OF 375



REF: Chemistry--A European Journal, 9(20), 4980-4990; 2003
NOTE: regioselective

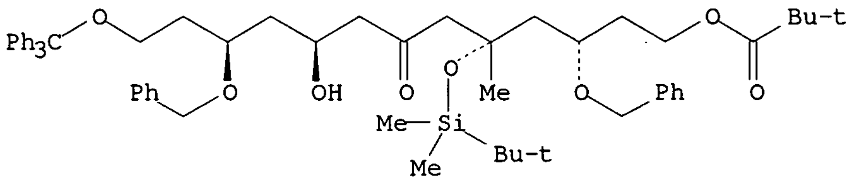
L3 ANSWER 8 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(6) OF 227



RX(6) OF 227

1. AlH(Bu-i)2, CH2Cl2
2. Pivaloyl chloride, Et3N, CH2Cl2
3. Hg(ClO4)2, CaCO3, THF, Water



71%

REF: Tetrahedron Letters, 44(42), 7741-7745; 2003

L3 ANSWER 9 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(23) OF 362 - REACTION DIAGRAM NOT AVAILABLE

L3 ANSWER 10 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

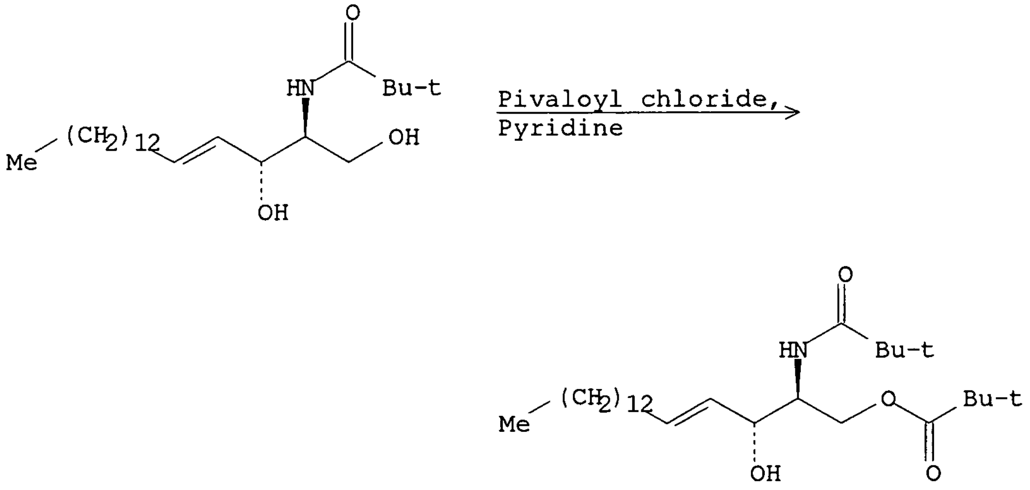
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

L3 ANSWER 11 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(2) OF 6 - REACTION DIAGRAM NOT AVAILABLE

L3 ANSWER 12 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(2) OF 163

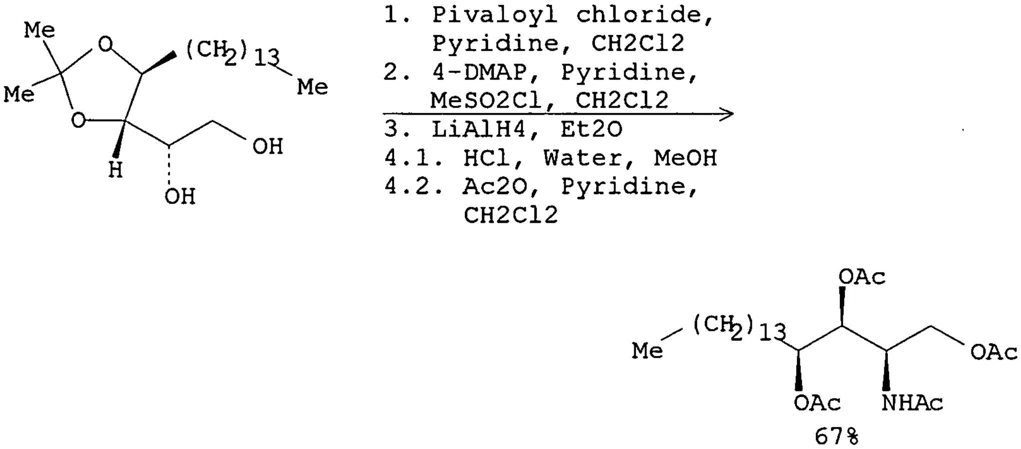


82%

REF: Bioorganic & Medicinal Chemistry Letters, 13(12), 1963-1966; 2003

L3 ANSWER 13 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(39) OF 60 - 4 STEPS



1. Pivaloyl chloride, Pyridine, CH2Cl2
2. 4-DMAP, Pyridine, MeSO2Cl, CH2Cl2
3. LiAlH4, Et2O
4.1. HCl, Water, MeOH
4.2. Ac2O, Pyridine, CH2Cl2

67%

REF: Synthesis, (1), 129-135; 2003
NOTE: 2) stereoselective

L3 ANSWER 14 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(4) OF 15

$\mathrm{Me{-}C{\equiv}C{-}(CH_2)_9{-}OBu\text{-}t} \xrightarrow[\text{2. Water}]{\text{1. AcCl, AcOH}} \mathrm{Me{-}C{\equiv}C{-}(CH_2)_9{-}OAc}$

(step 1)

REF: Revue Roumaine de Chimie, 2001, 46(7), 763-765; 2002

L3 ANSWER 15 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

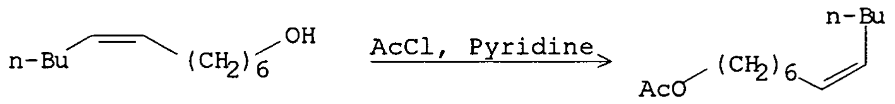
RX(54) OF 57 - REACTION DIAGRAM NOT AVAILABLE

L3 ANSWER 16 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(5) OF 19 - REACTION DIAGRAM NOT AVAILABLE

L3 ANSWER 17 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

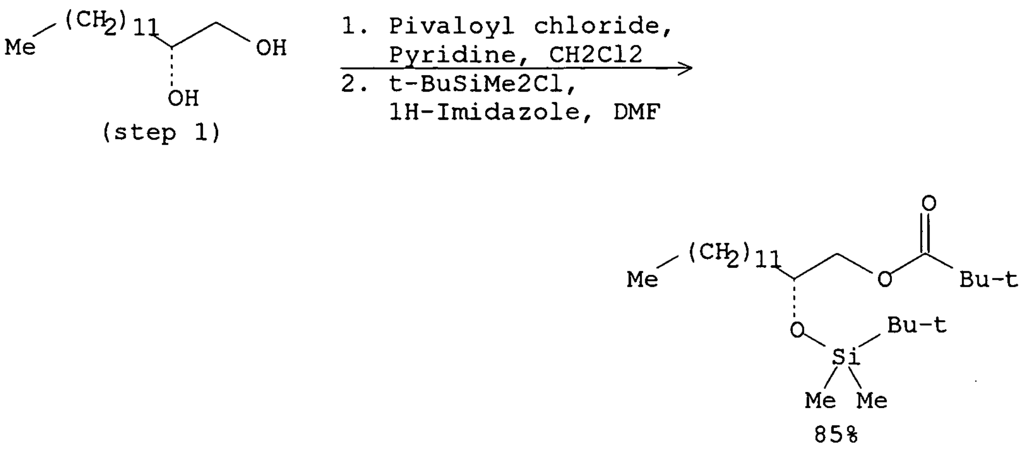
RX(6) OF 38



REF: Doklady Chemistry (Translation of the chemistry section of Doklady Akademii Nauk), 384(4-6), 163-166; 2002
NOTE: no exptl. detail

L3 ANSWER 18 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(1) OF 160



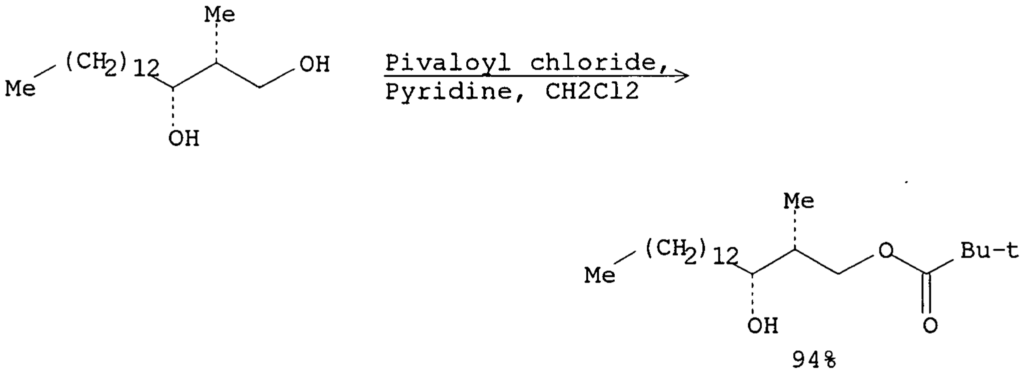
REF: Organic Letters, 4(17), 2977-2980; 2002

L3 ANSWER 19 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(173) OF 316 - REACTION DIAGRAM NOT AVAILABLE

L3 ANSWER 20 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(4) OF 175



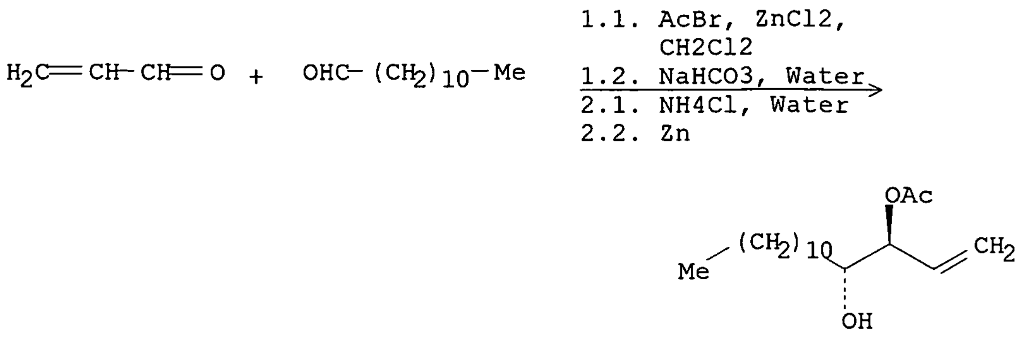
REF: Tetrahedron Letters, 43(16), 2961-2965; 2002

L3 ANSWER 21 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(15) OF 272 - REACTION DIAGRAM NOT AVAILABLE

L3 ANSWER 22 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(18) OF 22 - 2 STEPS

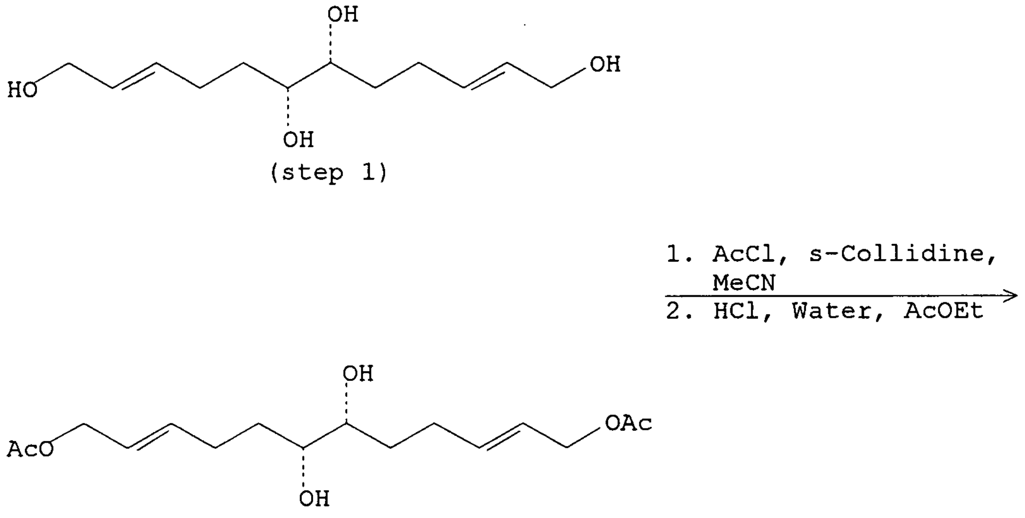


42%

REF: Chemical Communications (Cambridge, United Kingdom), (22), 2310-2311; 2001
NOTE: 1) 35:65: E:Z, stereoselective, 2) syn:anti = 25:75, stereoselective, Barbier reaction, green chem.-solvent

L3 ANSWER 23 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(3) OF 64

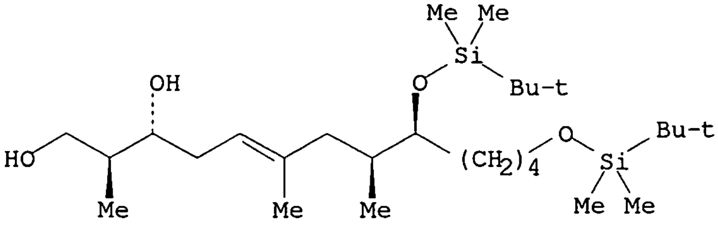


88%

REF: Organic Letters, 3(12), 1953-1955; 2001
NOTE: chemoselective

L3 ANSWER 24 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

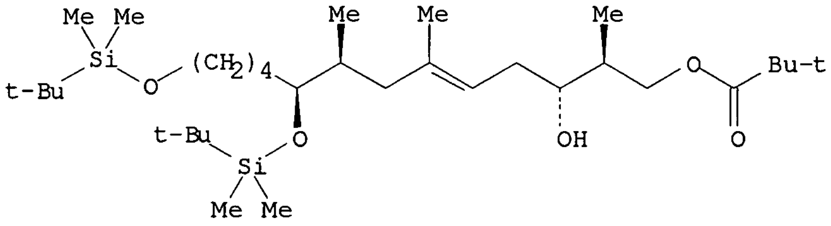
RX(6) OF 314



(step 1)

1. Pivaloyl chloride,
   Pyridine
2. AcOEt

RX(6) OF 314

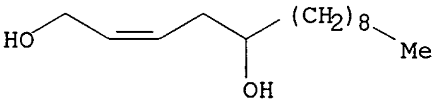


99%

REF: Journal of the American Chemical Society, 123(21), 5128-5129;
2001
NOTE: stereoselective

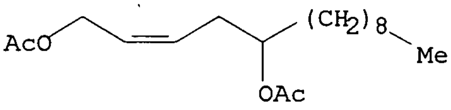
L3 ANSWER 25 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(19) OF 73



(step 1)

1. AcCl, Pyridine
2. Water
3. Et2O

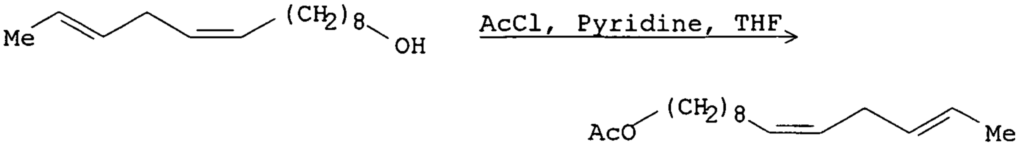


97%

REF: European Journal of Organic Chemistry, (1), 155-161; 2001
NOTE: stereoselective

L3 ANSWER 26 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(1) OF 21



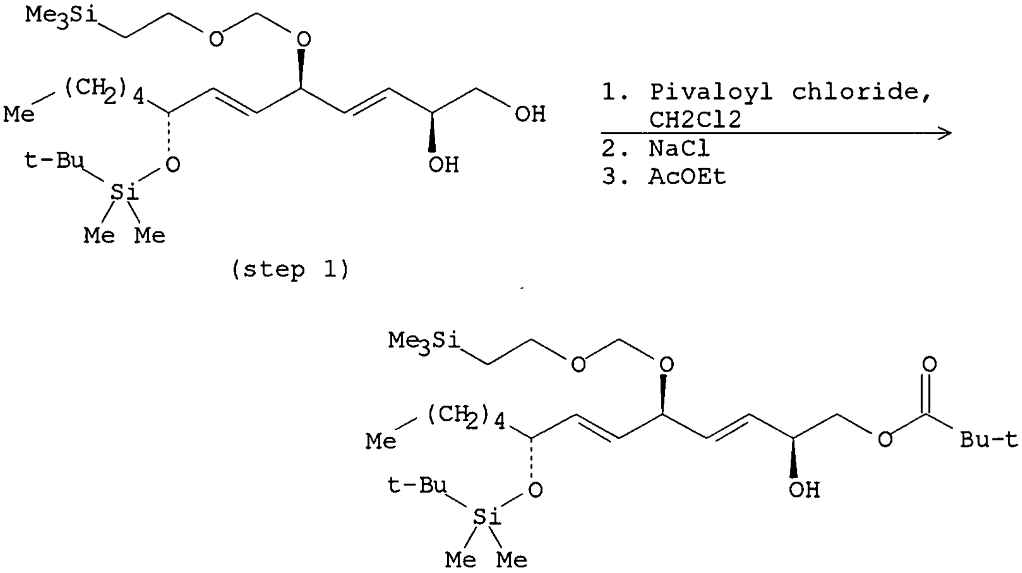
AcCl, Pyridine, THF

93%

REF: Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii), 36(6), 765-770; 2000

L3 ANSWER 27 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(16) OF 363



1. Pivaloyl chloride, CH2Cl2
2. NaCl
3. AcOEt

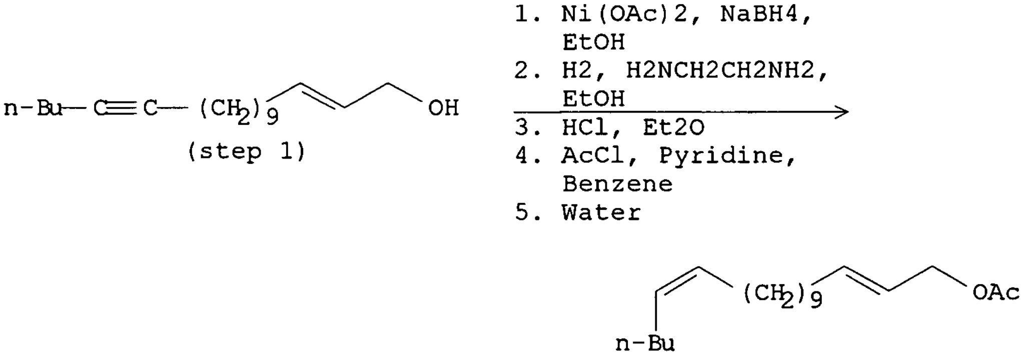
(step 1)

64%

REF: Journal of Organic Chemistry, 66(1), 81-88; 2001
NOTE: STEREOSELECTIVE

L3 ANSWER 28 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(6) OF 21



1. Ni(OAc)2, NaBH4, EtOH
2. H2, H2NCH2CH2NH2, EtOH
3. HCl, Et2O
4. AcCl, Pyridine, Benzene
5. Water

(step 1)

84%

REF: Chemistry of Natural Compounds (Translation of Khimiya Prirodnykh Soedinenii), 36(2), 207-209; 2000

L3 ANSWER 29 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

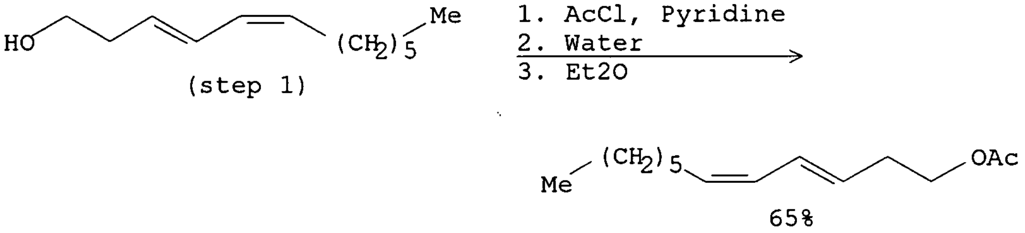
RX(53) OF 105 - REACTION DIAGRAM NOT AVAILABLE

L3 ANSWER 30 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

L3 ANSWER 31 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(5) OF 15



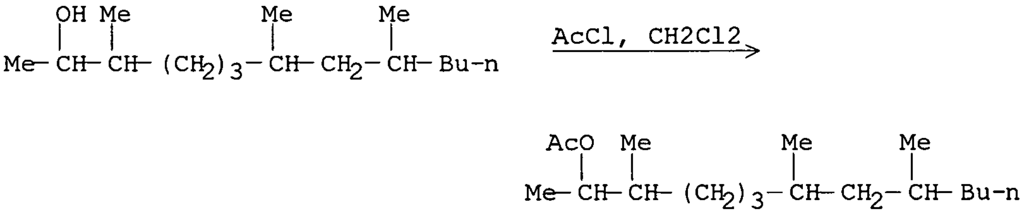
1. AcCl, Pyridine
2. Water
3. Et2O

65%

REF: Bioscience, Biotechnology, and Biochemistry, 64(8), 1726-1728; 2000
NOTE: STEREOSELECTIVE

L3 ANSWER 32 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(7) OF 28

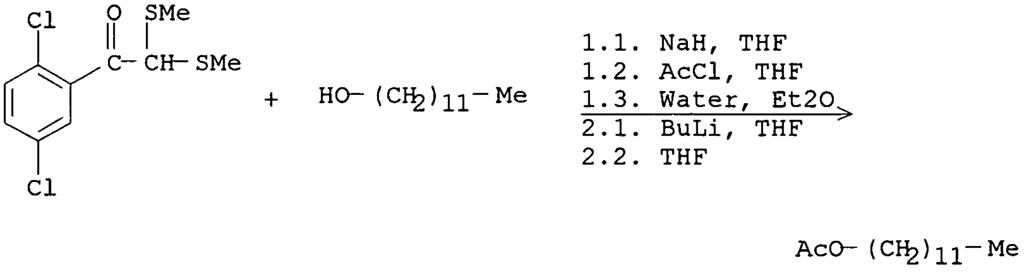


$$\mathrm{Me{-}\overset{OH}{CH}{-}\overset{Me}{CH}{-}(CH_2)_3{-}\overset{Me}{CH}{-}CH_2{-}\overset{Me}{CH}{-}Bu\text{-}n} \xrightarrow{\mathrm{AcCl,\ CH2Cl2}} \mathrm{Me{-}\overset{AcO}{CH}{-}\overset{Me}{CH}{-}(CH_2)_3{-}\overset{Me}{CH}{-}CH_2{-}\overset{Me}{CH}{-}Bu\text{-}n}$$

REF: Acta Chemica Scandinavica, 53(8), 620-630; 1999

L3 ANSWER 33 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(91) OF 95 - 2 STEPS



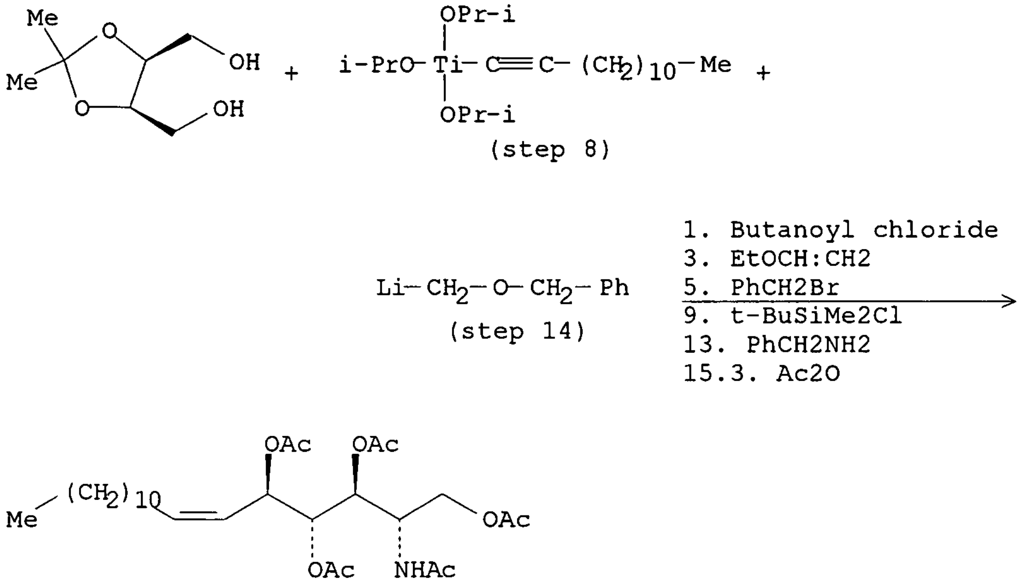
1.1. NaH, THF
1.2. AcCl, THF
1.3. Water, Et2O
2.1. BuLi, THF
2.2. THF

85%

REF: Synthesis, (7), 1200-1208; 1999

L3 ANSWER 34 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(140) OF 153 - 15 STEPS



REF: Chemical Communications (Cambridge), (12), 1151-1152; 1999
NOTE: 2) biotransformation, enzymic, Lipase Amano PS, 8) stereoselective, 10) stereoselective, 15) third step acetylation

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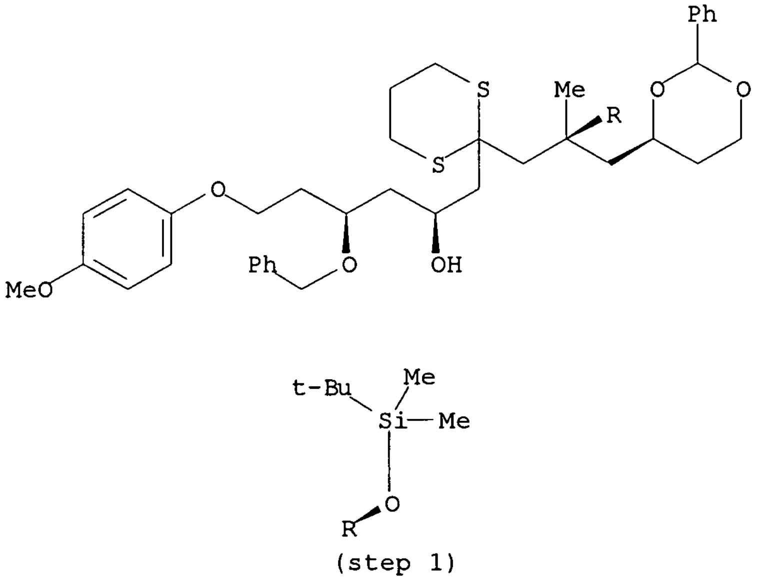
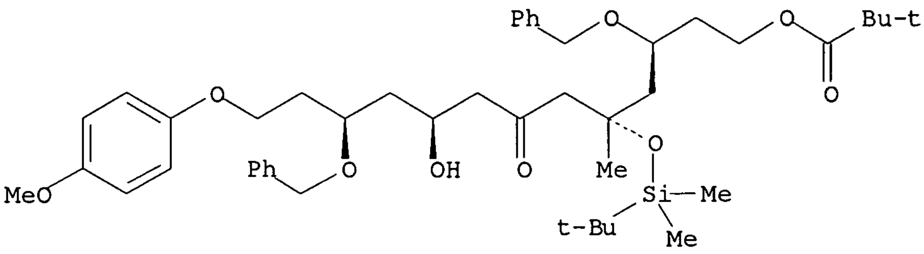
L3 ANSWER 35 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(2) OF 132



RX(2) OF 132

$$\xrightarrow[\text{3. Hg(ClO4)2, CaCO3, Water, THF}]{\text{1. AlH(Bu-i)2, CH2Cl2; 2. Pivaloyl chloride, Et3N, CH2Cl2}}$$



65%

REF: Tetrahedron Letters, 39(22), 3795-3798; 1998

L3 ANSWER 36 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(3) OF 4

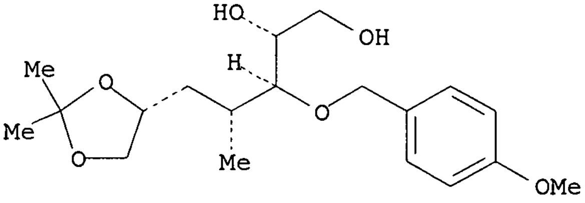
$$\mathrm{HO{-}(CH_2)_{12}{-}OH} \xrightarrow[\text{Cyclohexane}]{\text{AcCl, SiO2,}} \mathrm{AcO{-}(CH_2)_{12}{-}OH}$$

100%

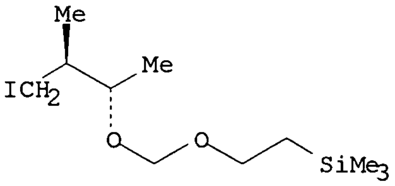
REF: Chemical Communications (Cambridge), (4), 495-496; 1998
NOTE: regioselective

L3 ANSWER 37 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(143) OF 190 - 10 STEPS



+

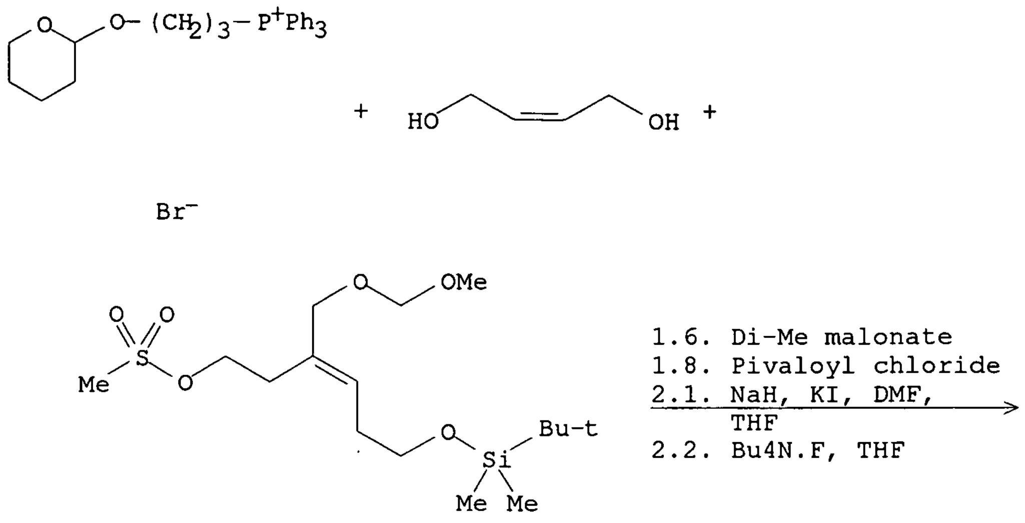


+ $\mathrm{Me_3Si{-}S{-}CH_2{-}CH_2{-}S{-}SiMe_3}$
(step 8)

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

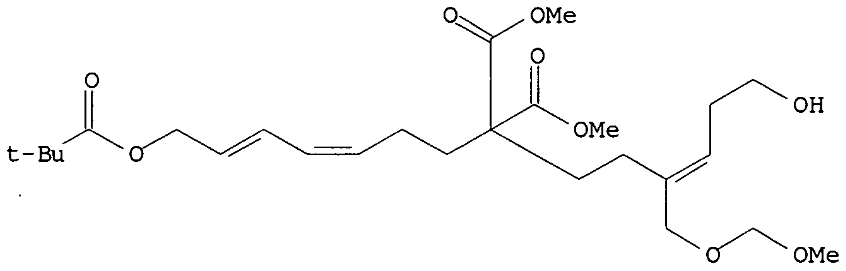
L3 ANSWER 38 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(8) OF 23 - 2 STEPS



1.6. Di-Me malonate
1.8. Pivaloyl chloride
2.1. NaH, KI, DMF, THF
2.2. Bu4N.F, THF

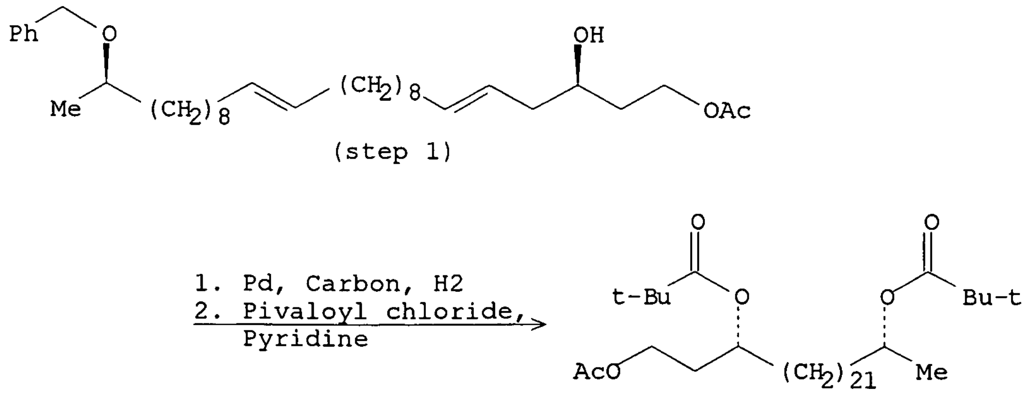
RX(8) OF 23 - 2 STEPS



REF: Synthesis, (9), 1081-8; 1995

L3 ANSWER 39 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(21) OF 369



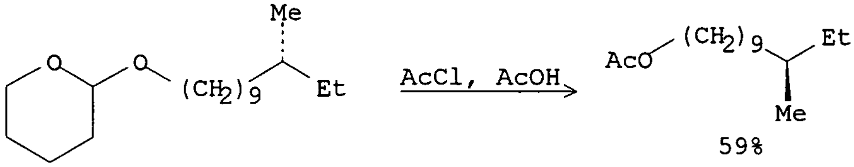
1. Pd, Carbon, H2
2. Pivaloyl chloride, Pyridine

70%

REF: Tetrahedron: Asymmetry, 6(4), 859-62; 1995

L3 ANSWER 40 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

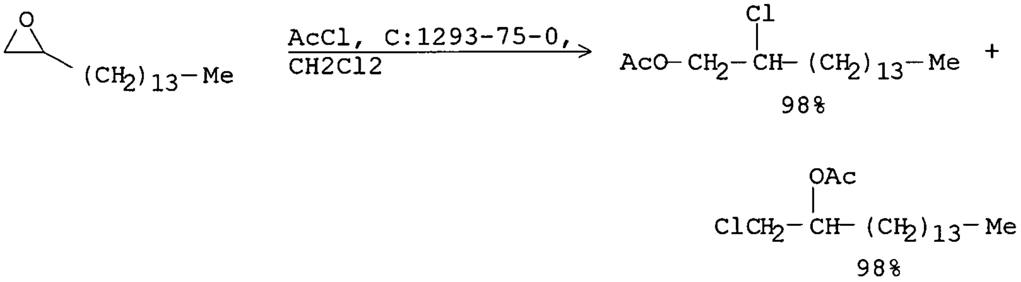
RX(15) OF 73



REF: Journal of Organic Chemistry, 60(13), 4251-4; 1995

L3 ANSWER 41 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

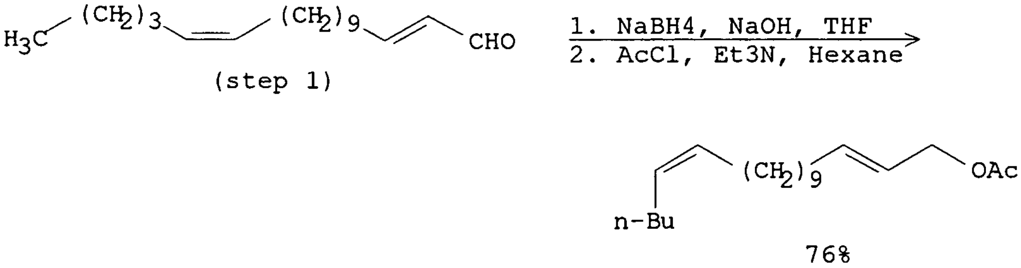
RX(3) OF 4



REF: Synthetic Communications, 24(15), 2203-14; 1994
NOTE: regioselective

L3 ANSWER 42 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(4) OF 11



REF: Jpn. Kokai Tokkyo Koho, 04330032, 18 Nov 1992, Heisei

L3 ANSWER 43 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

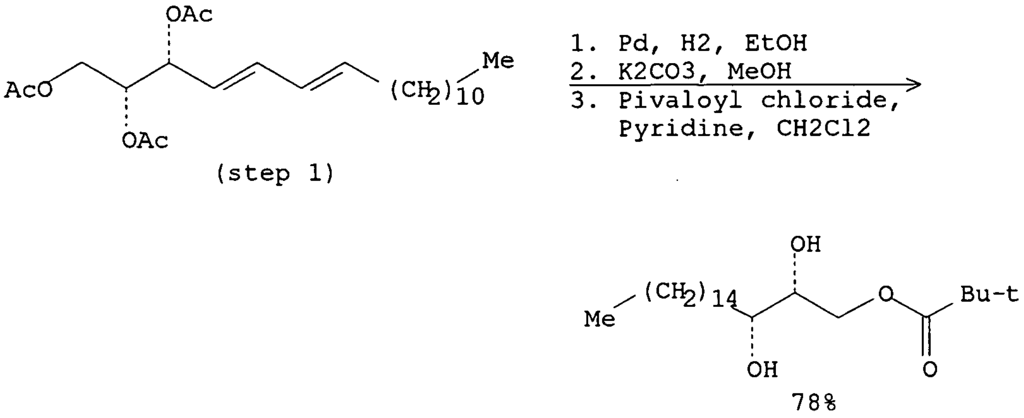
RX(3) OF 27

$$\text{HO}-(\text{CH}_2)_{10}-\text{CH}{=}\text{CH}-\text{Bu-n} \xrightarrow{\text{AcCl}} \text{AcO}-(\text{CH}_2)_{10}-\text{CH}{=}\text{CH}-\text{Bu-n}$$

REF: Khimiya i Primenenie Pestitsidov. VNII Khim. Sredstv Zashchity Rast. (VNIIKHSER), M., 1-7; 1990

L3 ANSWER 44 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(2) OF 15



1. Pd, H2, EtOH
2. K2CO3, MeOH
3. Pivaloyl chloride, Pyridine, CH2Cl2

REF: Bioorganicheskaya Khimiya, 17(5), 714-15; 1991

L3 ANSWER 45 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(5) OF 19

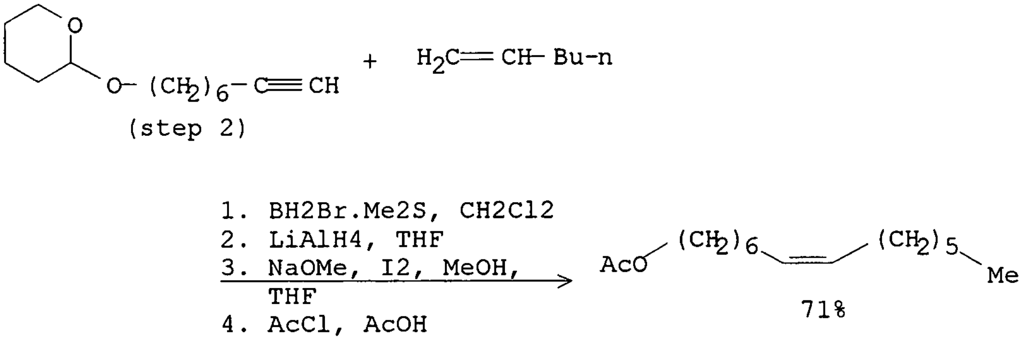
$HO-(CH_2)_6-CH=CH-CH_2-CH_2-CH=CH-Bu\text{-}n \xrightarrow{\text{AcCl, Pyridine}}$

$AcO-(CH_2)_6-CH=CH-CH_2-CH_2-CH=CH-Bu\text{-}n$

REF: Synthesis, (11), 1039-47; 1990

L3 ANSWER 46 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(1) OF 1

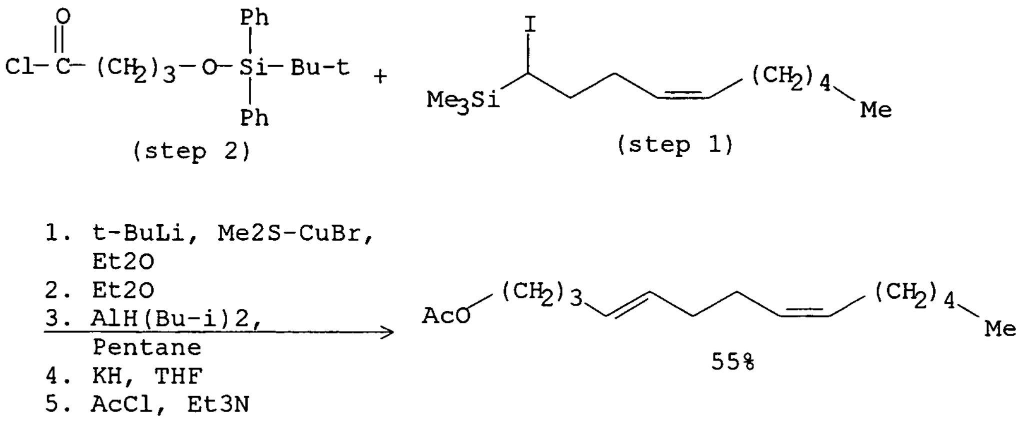


1. BH2Br.Me2S, CH2Cl2
2. LiAlH4, THF
3. NaOMe, I2, MeOH, THF
4. AcCl, AcOH

REF: Gaodeng Xuexiao Huaxue Xuebao, 11(6), 600-4; 1990
NOTE: stereoselective

L3 ANSWER 47 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

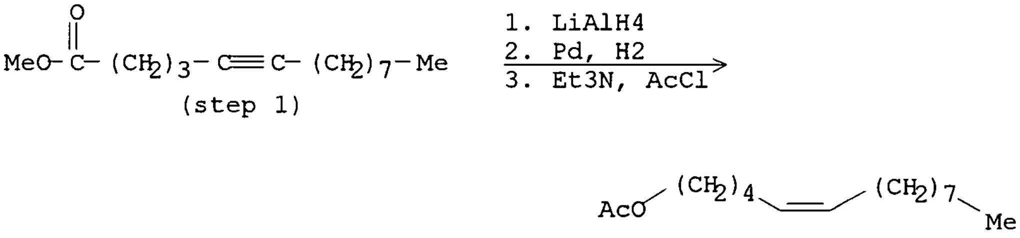
RX(5) OF 17



REF: Journal of Organic Chemistry, 56(2), 638-42; 1991

L3 ANSWER 48 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

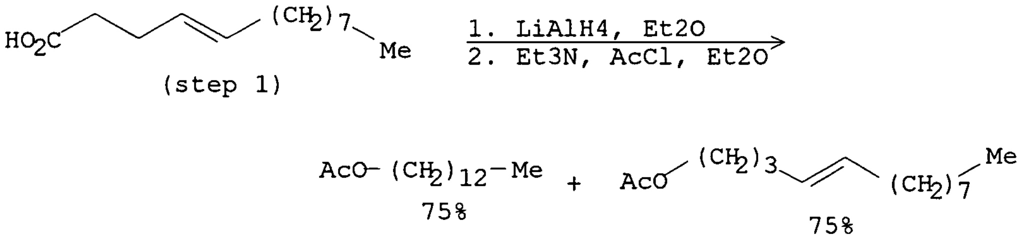
RX(4) OF 15



REF: Bioorganicheskaya Khimiya, 16(7), 1000-1; 1990

L3 ANSWER 49 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

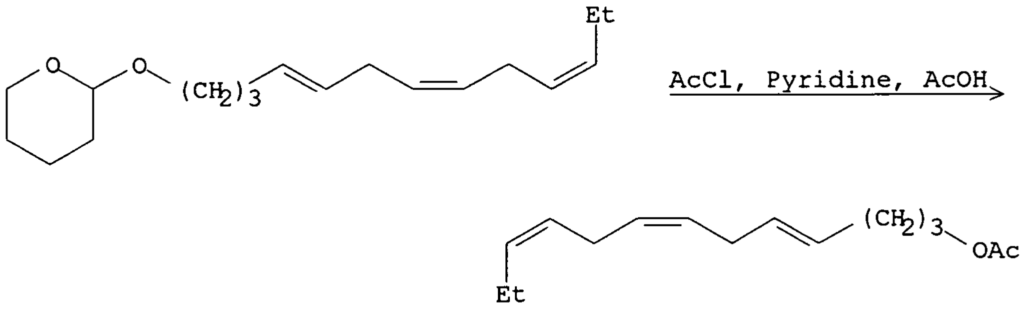
RX(4) OF 10



REF: Khimiya Prirodnykh Soedinenii, (1), 102-6; 1990

L3 ANSWER 50 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(4) OF 10



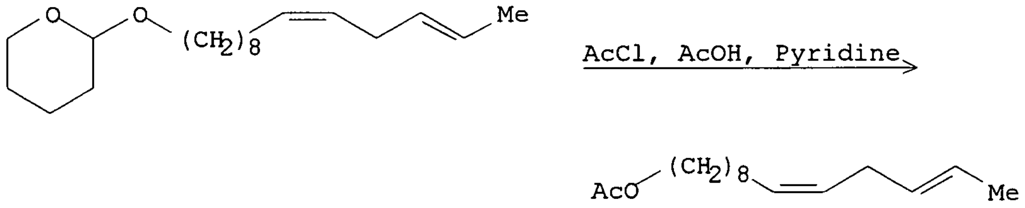
82%

REF: Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry, 29B(1), 55-6; 1990

=> d l3 51-98

L3 ANSWER 51 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(5) OF 15

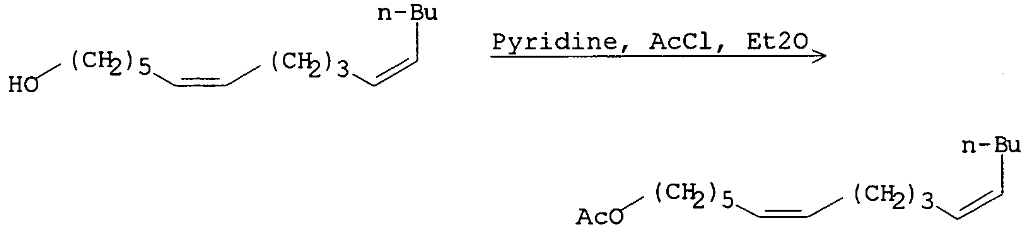


79%

REF: Journal of the Indian Chemical Society, 66(11), 792-3; 1989

L3 ANSWER 52 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(14) OF 95



82%

REF: Zhurnal Organicheskoi Khimii, 25(10), 2066-73; 1989

L3 ANSWER 53 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

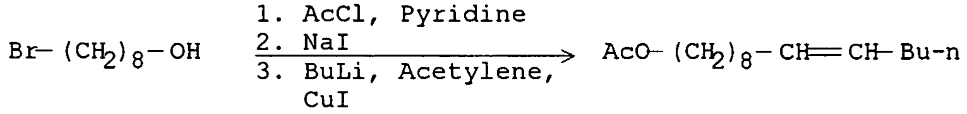
RX(7) OF 14

$HO-(CH_2)_{11}-Me \xrightarrow{AcCl} AcO-(CH_2)_{11}-Me$

REF: Journal of Organometallic Chemistry, 375(2), 273-89; 1989

L3 ANSWER 54 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(17) OF 20 - 3 STEPS

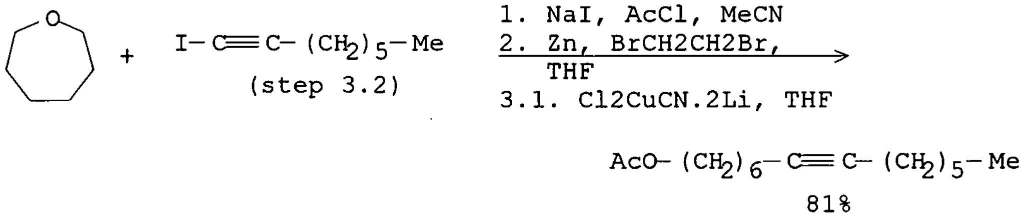


$$\mathrm{Br{-}(CH_2)_8{-}OH} \xrightarrow[\text{3. BuLi, Acetylene, CuI}]{\text{1. AcCl, Pyridine; 2. NaI}} \mathrm{AcO{-}(CH_2)_8{-}CH{=}CH{-}Bu\text{-}n}$$

REF: Beijing Shifan Daxue Xuebao, Ziran Kexueban, (2), 54-7; 1989

L3 ANSWER 55 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

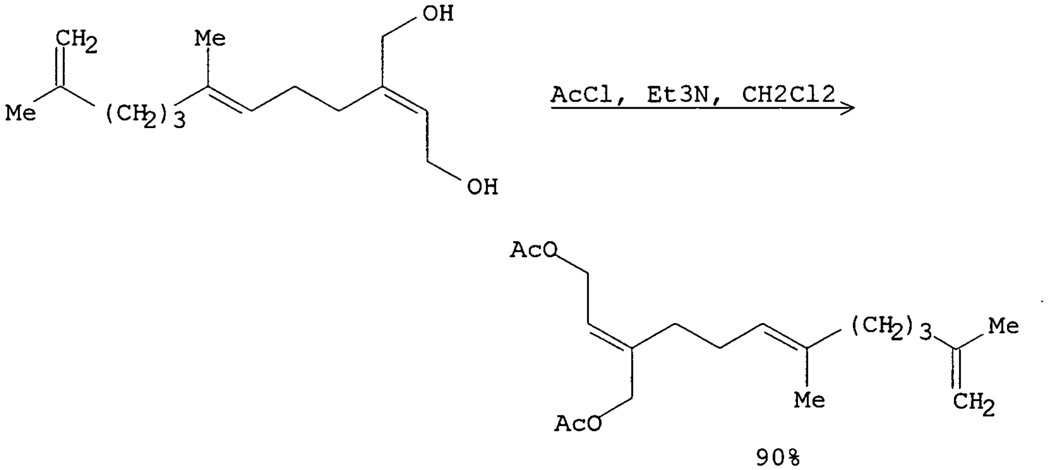
RX(79) OF 85 - 3 STEPS



REF: Tetrahedron Letters, 30(36), 4799-802; 1989

L3 ANSWER 56 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

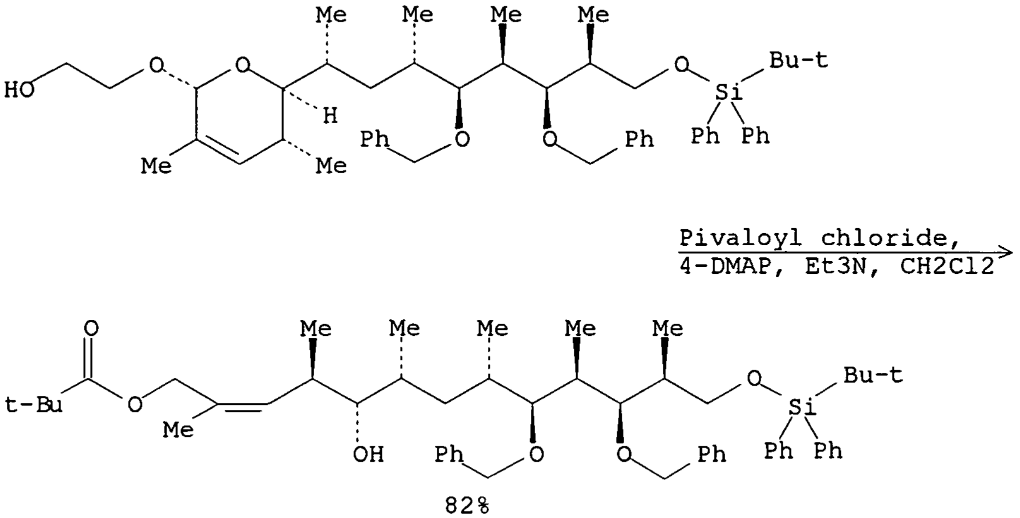
RX(7) OF 338



REF: Tetrahedron, 45(12), 3839-48; 1989

L3 ANSWER 57 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

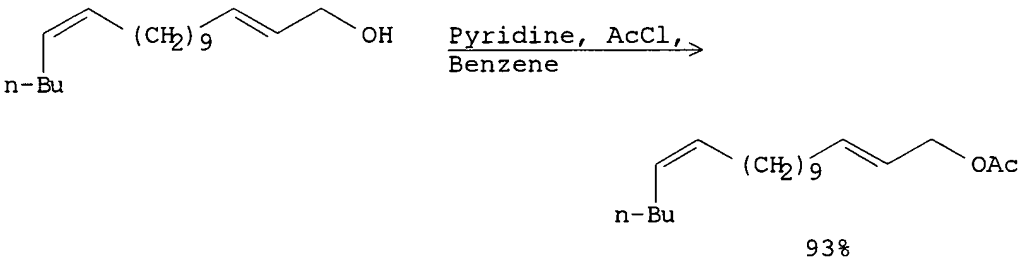
RX(19) OF 591



REF: Journal of Organic Chemistry, 55(5), 1636-48; 1990

L3 ANSWER 58 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

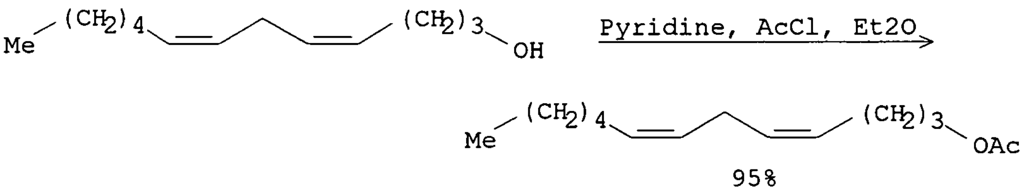
RX(5) OF 15



REF: Khimiya Prirodnykh Soedinenii, (2), 264-6; 1989

L3 ANSWER 59 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

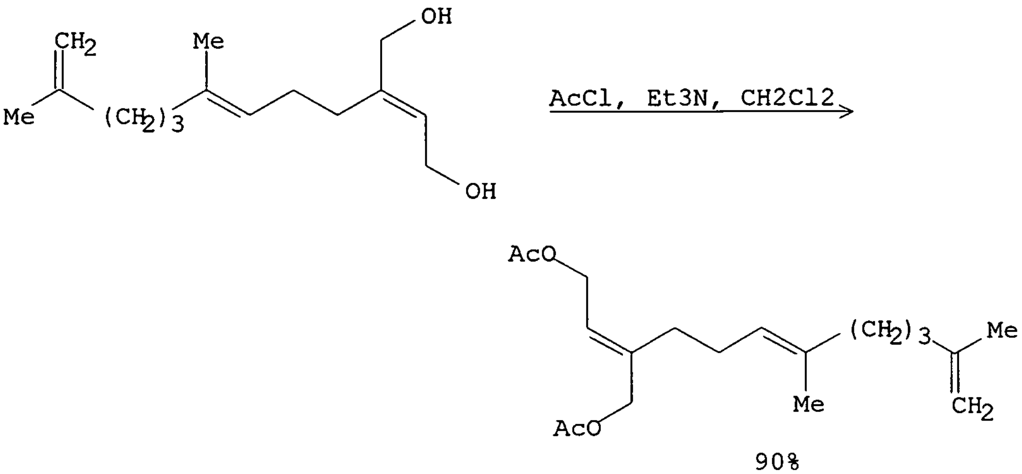
RX(1) OF 28



REF: Zhurnal Organicheskoi Khimii, 25(2), 291-6; 1989

L3 ANSWER 60 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

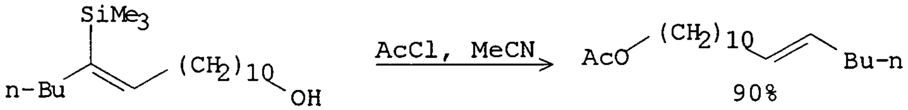
RX(8) OF 240



REF: Tetrahedron Letters, 29(23), 2867-70; 1988

L3 ANSWER 61 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

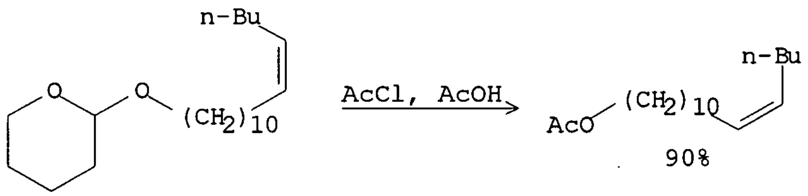
RX(4) OF 15



REF: Tetrahedron Letters, 29(23), 2777-8; 1988

L3 ANSWER 62 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

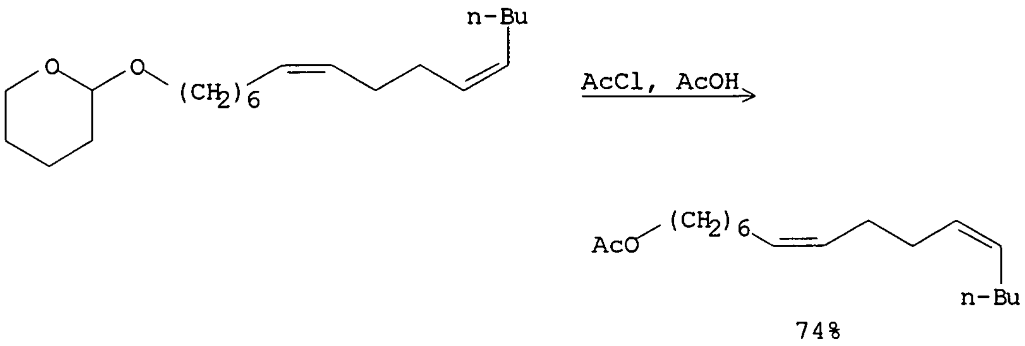
RX(7) OF 62



REF: Youji Huaxue, 8(4), 336-40; 1988

L3 ANSWER 63 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

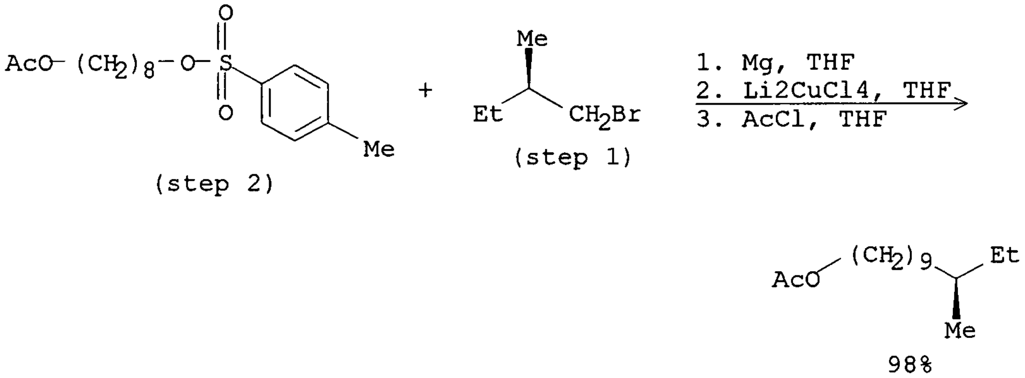
RX(1) OF 120



REF: Zhurnal Organicheskoi Khimii, 24(4), 713-18; 1988

L3 ANSWER 64 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

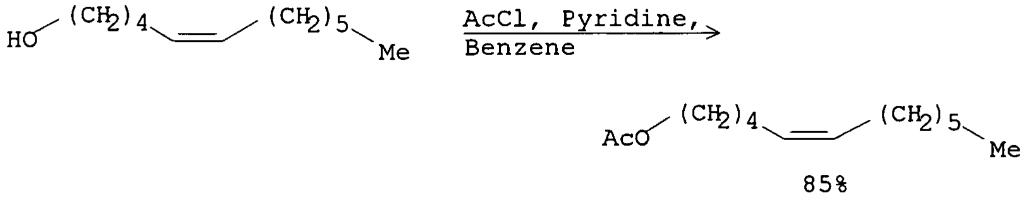
RX(6) OF 37



REF: Zhurnal Organicheskoi Khimii, 24(1), 103-6; 1988

L3 ANSWER 65 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

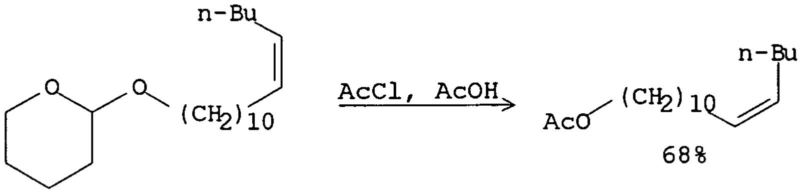
RX(11) OF 83



REF: Doklady Akademii Nauk SSSR, 297(6), 1381-6 [Chem.]; 1987

L3 ANSWER 66 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

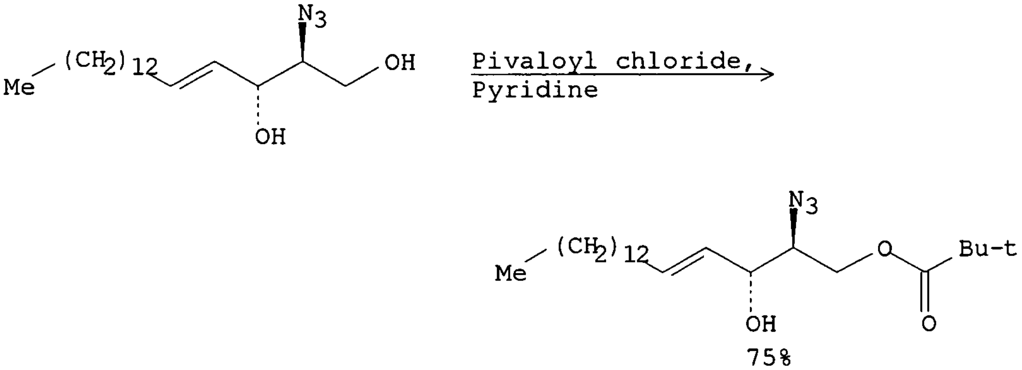
RX(4) OF 20



REF: Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry, 26B(11), 1069-70; 1987

L3 ANSWER 67 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

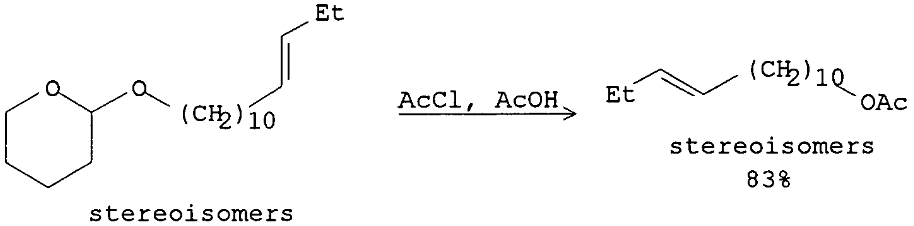
RX(15) OF 124



REF: Liebigs Annalen der Chemie, (7), 663-7; 1988

L3 ANSWER 68 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(20) OF 84



REF: Journal of Chemical Research, Synopses, (9), 296-7; 1987

L3 ANSWER 69 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(29) OF 211

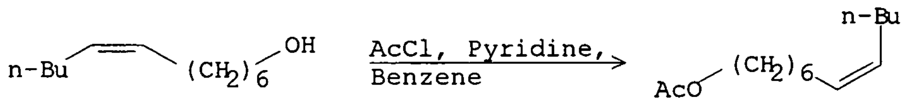
$\text{n-Bu}-C\equiv C-(CH_2)_6-\text{OBu-t} \xrightarrow{\text{AcCl, AcOH}} \text{AcO}-(CH_2)_6-C\equiv C-\text{Bu-n}$

65%

REF: Journal fuer Praktische Chemie (Leipzig), 329(2), 283-9; 1987

L3 ANSWER 70 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(7) OF 26



92%

REF: Journal of Organic Chemistry, 53(2), 246-50; 1988

L3 ANSWER 71 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

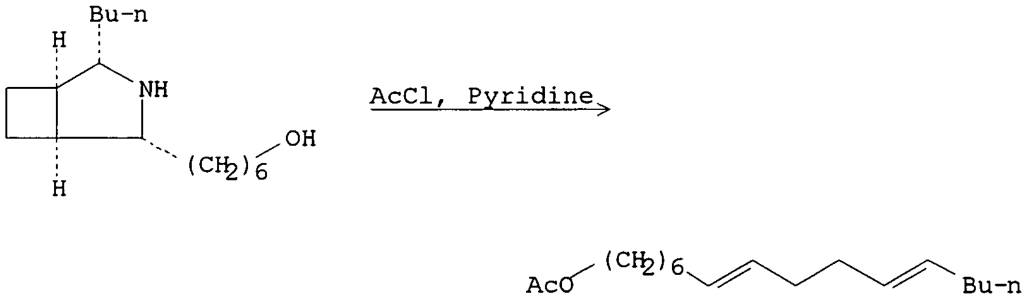
RX(19) OF 122

$n\text{-}Bu-C{\equiv}C-(CH_2)_8-OBu\text{-}t \xrightarrow{\text{AcCl, AcOH}} AcO-(CH_2)_8-C{\equiv}C-Bu\text{-}n$

REF: Journal fuer Praktische Chemie (Leipzig), 328(5-6), 867-78; 1986

L3 ANSWER 72 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

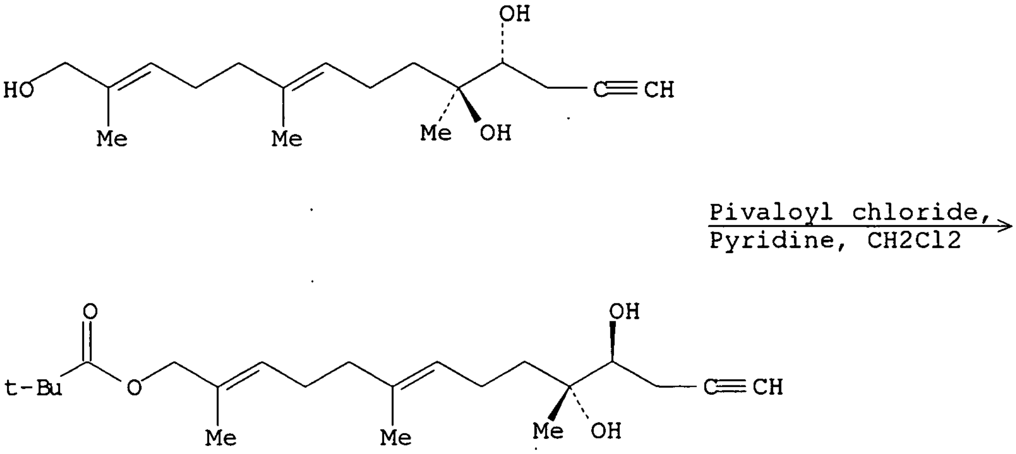
RX(22) OF 85



REF: Tetrahedron Letters, 28(3), 263-6; 1987

L3 ANSWER 73 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(3) OF 355

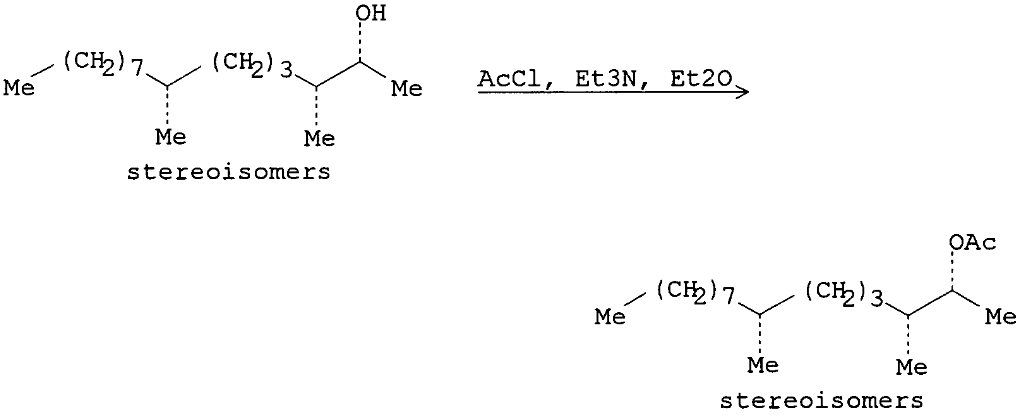


Pivaloyl chloride,
Pyridine, CH2Cl2

REF: Tetrahedron Letters, 27(43), 5197-200; 1986

L3 ANSWER 74 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(9) OF 45

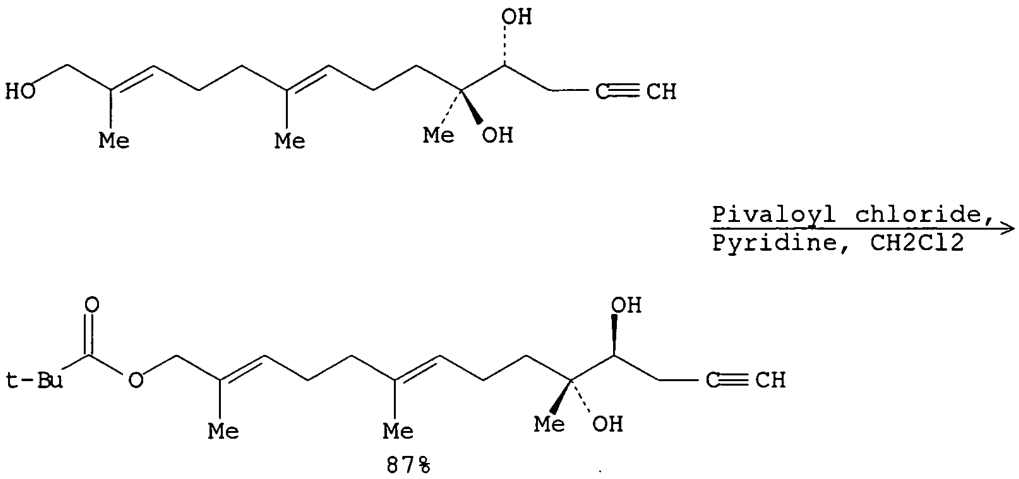


AcCl, Et3N, Et2O

REF: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya, (1), 114-18;
1987
NOTE: 72% overall

L3 ANSWER 75 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

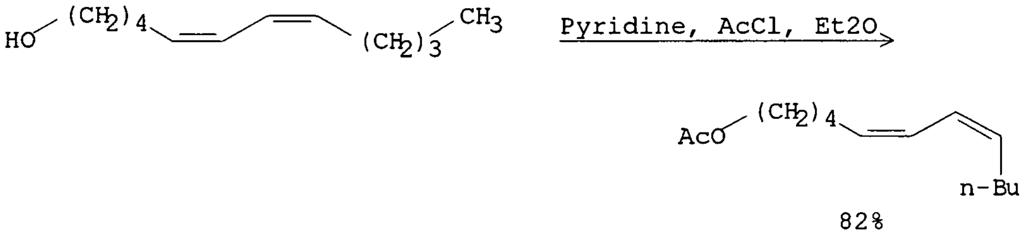
RX(3) OF 36



REF: Journal of Organic Chemistry, 52(12), 2378-88; 1987

L3 ANSWER 76 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(14) OF 95



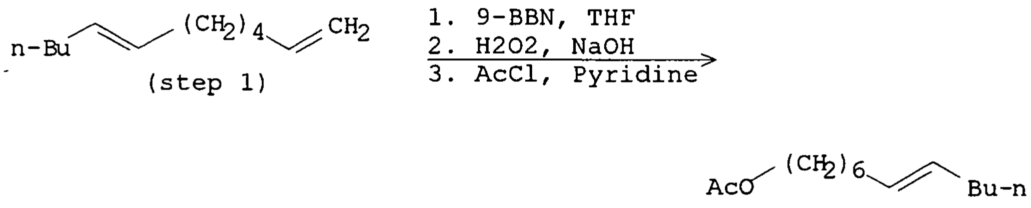
REF: Zhurnal Organicheskoi Khimii, 22(9), 1818-24; 1986

L3 ANSWER 77 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(195) OF 195 - REACTION DIAGRAM NOT AVAILABLE

L3 ANSWER 78 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

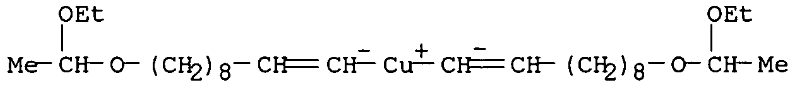
RX(10) OF 13



REF: Tetrahedron Letters, 27(22), 2529-32; 1986

L3 ANSWER 79 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(40) OF 61



$$\mathrm{Me{-}\overset{OEt}{CH}{-}O{-}(CH_2)_8{-}CH{=}CH^{-}{-}Cu^{+}{-}CH^{-}{=}CH{-}(CH_2)_8{-}O{-}\overset{OEt}{CH}{-}Me}$$

Li+

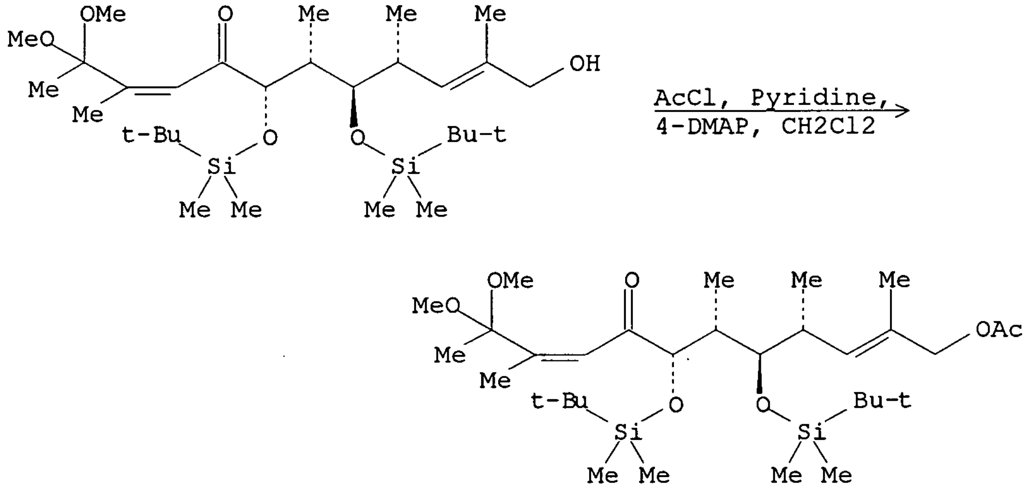
(step 1)

$$\xrightarrow[\text{3. AcCl, AcOH}]{\substack{\text{1. BuI, P(OEt)3, HMPT}\\ \text{2. HCl, Water}}} \mathrm{AcO{-}(CH_2)_8{-}CH{=}CH{-}Bu\text{-}n}$$

REF: Tetrahedron, 41(24), 5887-99; 1985

L3 ANSWER 80 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

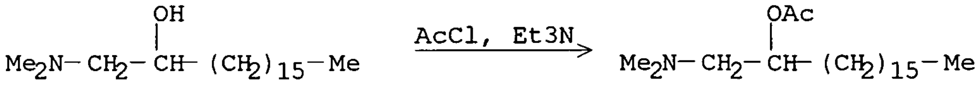
RX(26) OF 37



REF: Journal of the American Chemical Society, 108(18), 5549-59; 1986

L3 ANSWER 81 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(1) OF 7

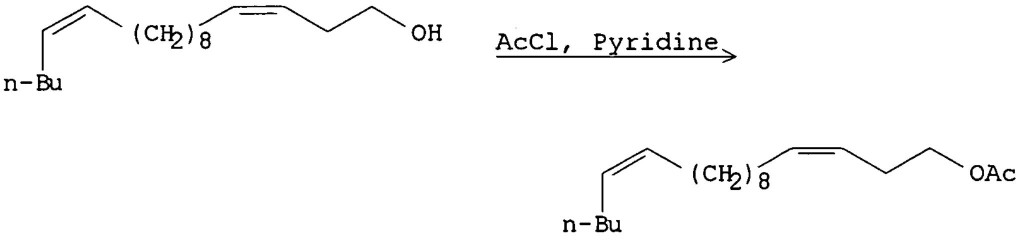


$$\mathrm{Me_2N{-}CH_2{-}\overset{OH}{CH}{-}(CH_2)_{15}{-}Me} \xrightarrow{\text{AcCl, Et3N}} \mathrm{Me_2N{-}CH_2{-}\overset{OAc}{CH}{-}(CH_2)_{15}{-}Me}$$

REF: Ger. Offen., 3544045, 26 Jun 1986

L3 ANSWER 82 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

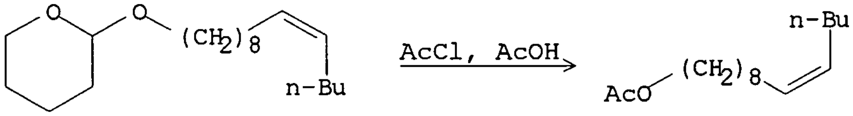
RX(11) OF 116



REF: Synthetic Communications, 15(14), 1257-70; 1985

L3 ANSWER 83 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(1) OF 45



REF: Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry, 24B(9), 962-4; 1985

L3 ANSWER 84 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

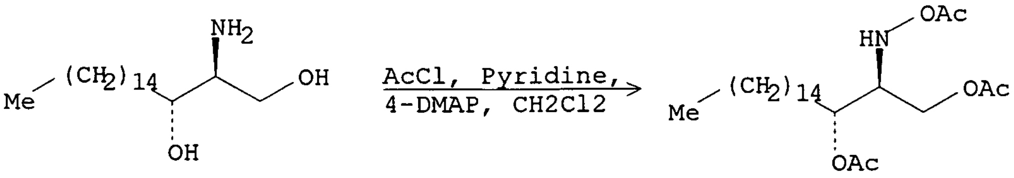
RX(2) OF 10

$$HO{-}CH_2{-}CH_2{-}CH{=}CH{-}(CH_2)_7{-}Me \xrightarrow{AcCl} AcO{-}CH_2{-}CH_2{-}CH{=}CH{-}(CH_2)_7{-}Me$$

REF: Rom., 86137, 28 Feb 1985

L3 ANSWER 85 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

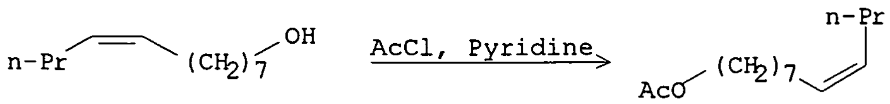
RX(22) OF 141



REF: Journal of Organic Chemistry, 50(20), 3752-7; 1985

L3 ANSWER 86 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(9) OF 119



REF: Acta Chemica Scandinavica, Series B: Organic Chemistry and Biochemistry, B39(4), 267-72; 1985

L3 ANSWER 87 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

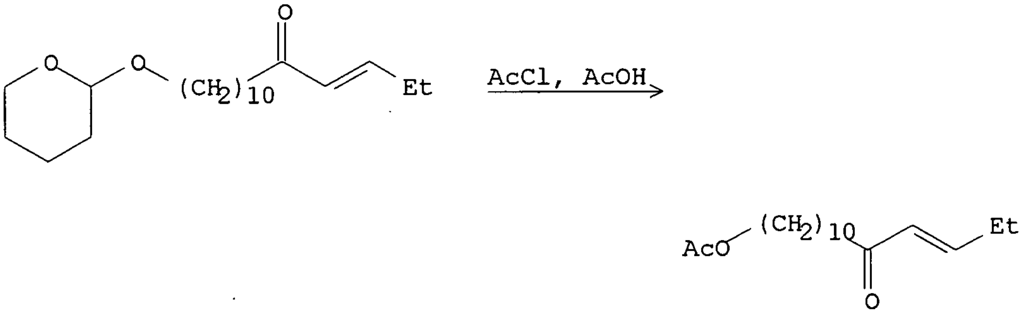
RX(4) OF 10

$$n\text{-}Bu-C\equiv C-(CH_2)_6-OBu\text{-}t \xrightarrow{AcCl} AcO-(CH_2)_6-C\equiv C-Bu\text{-}n$$

REF: Rom., 84439, 30 Aug 1984

L3 ANSWER 88 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

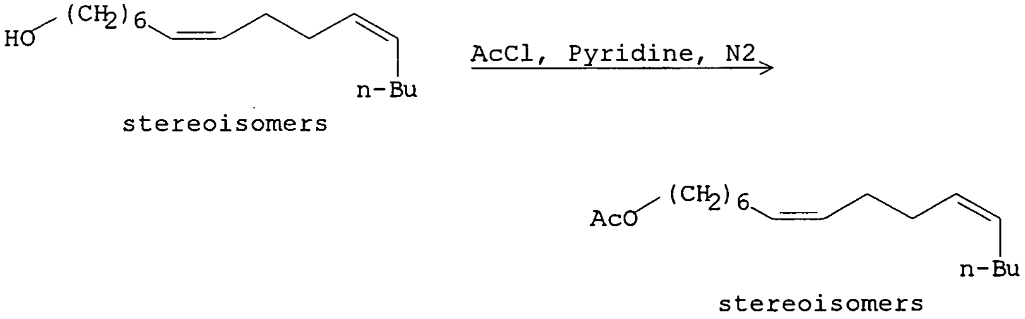
RX(7) OF 37



REF: Angewandte Chemie, 97(5), 418-19; 1985

L3 ANSWER 89 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

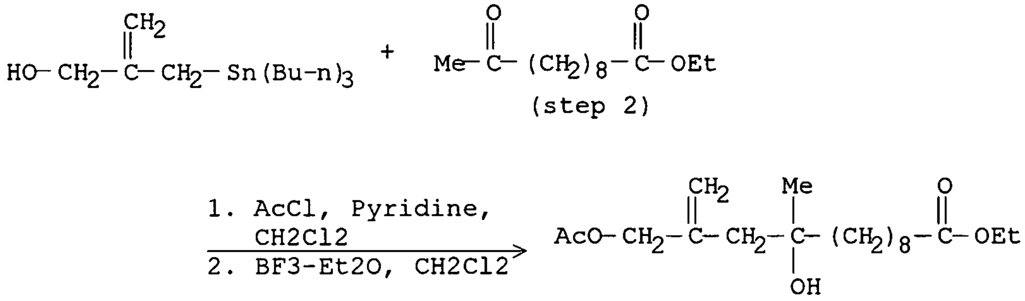
RX(7) OF 22



REF: Acta Chemica Scandinavica, Series B: Organic Chemistry and Biochemistry, B39(3), 231-4; 1985

L3 ANSWER 90 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

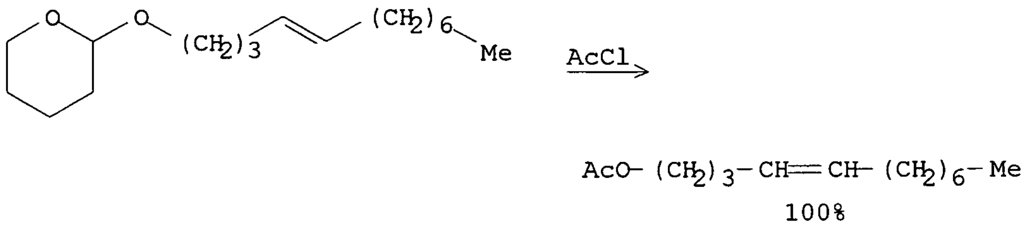
RX(33) OF 83 - 2 STEPS



REF: Journal of the American Chemical Society, 107(6), 1778-81; 1985
NOTE: 2) prepn. requires warming to -5.degree.

L3 ANSWER 91 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(9) OF 19



100%

REF: Rep. - N. Z., Dep. Sci. Ind. Res., Chem. Div., (C.D. 2334,), 32 pp.; 1983

L3 ANSWER 92 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

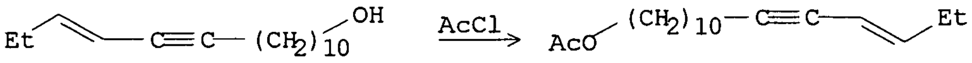
RX(1) OF 18

$HO-(CH_2)_8-CH{=}CH-Et \xrightarrow{AcCl,\ Pyridine} AcO-(CH_2)_8-CH{=}CH-Et$

REF: Nov. Metody v Zashchite Rast., Kishinev, (Ch 4), 14-17; 1982

L3 ANSWER 93 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

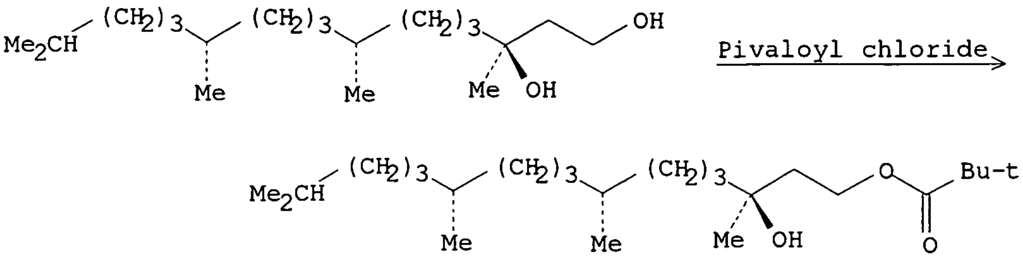
RX(1) OF 8



REF: Pestic. Chem.: Hum. Welfare Environ., Proc. Int. Congr. Pestic. Chem., 5th, 1982, 1,, 129-34; 1983

L3 ANSWER 94 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(6) OF 16



REF: Eur. Pat. Appl., 58945, 01 Sep 1982

L3 ANSWER 95 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(1) OF 6

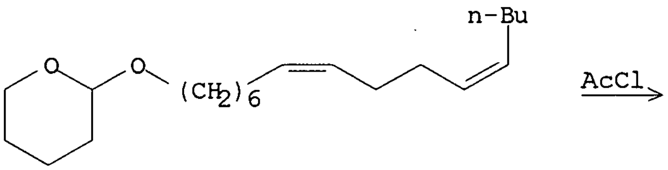
$HO-(CH_2)_8-CH=CH-(CH_2)_7-Me \xrightarrow{AcCl}$

$AcO-(CH_2)_8-CH=CH-(CH_2)_7-Me$

REF: U. S. Pat. Appl., 229215, 09 Oct 1981

L3 ANSWER 96 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(5) OF 7



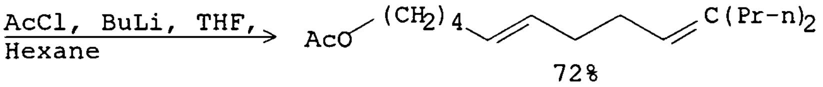
$AcO-(CH_2)_6-CH=CH-CH_2-CH_2-CH=CH-Bu-n$

REF: Journal of Organic Chemistry, 46(2), 459-61; 1981

L3 ANSWER 97 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(2) OF 2

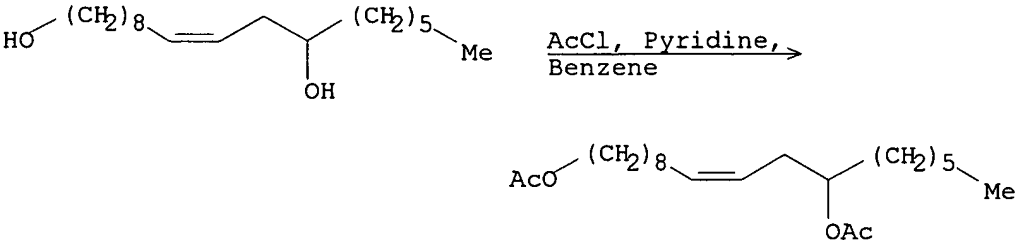
$HO-(CH_2)_5-P^+Ph_3 + (n-Pr)_2C=CH-CH_2-CH_2-CHO$



REF: Tetrahedron, 27(24), 5979-85; 1971
NOTE: Classification: Wittig olefination; # Conditions: n-BuLi THF hexane; /N2 20mn; THF 30mn; AcCl 15mn

L3 ANSWER 98 OF 98 CASREACT COPYRIGHT 2005 ACS on STN

RX(1) OF 3



62%

REF: Journal of Organic Chemistry, 27,, 2523-4; 1962
NOTE: Classification: Esterification; O-Acylation; # Conditions: AcCl; pyridine benzene; ice bath; Rf 2h; # Comments: cis product

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